

Small School. Big Hearts. Big Ambitions

Science Statements

I pray that your love for each other will overflow more and more, and that you will keep on growing in knowledge and understanding. Philippians 1:9

Intent

From a young age, through exploration and discovery, children can appreciate that Science is all around them. The more they learn, the more they can recognize that through it, they have the power to influence their own future.

Here at Dry Drayton, we can play a central part in nurturing this Scientific interest with exciting and engaging lessons. We want them to be the sort of experiences that the children want to talk about and share. With the support of our wider scientific community, we also combine this curriculum content with current research themes and new discoveries in Science. Whatever their individual starting points, we will support them in their learning allowing them to see themselves as 'Scientists' and part of the future in this field.

When the children leave Dry Drayton Primary School, they will have cultivated an interest and curiosity in a wide range of scientific concepts; empowering them to ask questions and think of ways in which they could find out their own answers. Children will become familiar with the 5 types of Scientific Enquiry through hands on investigation, discussion and field work. They will learn to develop a systematic and logical way of 'Working Scientifically' that emphasises safety and respect for those around them.

Implementation

Topics are taught in a 2-year rolling curriculum to support scientific progression across the key stages in mixed year-group classes. This will ensure full coverage of National Curriculum units. Topics have been chosen to make cross-curricular links and to correspond with seasonal changes wherever possible. Some of the key aspects of our teaching and learning will be:

- A well-considered balance between 'activities' and 'knowledge' in classroom practice
- 'Bright Minds' input in introductions and plenaries through photos, video clips and discussion
- Embedding 'Working Scientifically' skills with the opportunity for more in-depth science projects and the 'White Coat Award'
- An annual 'Science Week' that celebrates the achievements of scientists from a diverse range of backgrounds, brings scientific visitors into the school and encourages interest and discussion around current issues

We plan to support children with SEND and EAL through differentiated questioning, support and resources whilst having high aspirations in individual capacities for enquiry and investigation. We believe developing scientific thinking is key and that recording opportunities can be tailored to fit the needs of the child.

Impact

When the children leave Dry Drayton, we want them to understand some of the ways in which science will affect their futures and how they might take active steps to be a part of that. They will have broadened and strengthened their subject vocabulary and understanding so that they can approach the secondary science curriculum with confidence. Through enrichment opportunities (e.g. trips, clubs, visitors) they will have enhanced their own 'Scientific Capital' so that even if science is not something talked about much at home, they may start to aspire to a role in science of the future.

